

Please rewrite the paragraph beginning at Specification page 57, line 28 as follows:

A<sup>8</sup>  
"Figs. 107A-107C show three images generated by a fluorescence imager showing that two different lengths of 2' O-methyl, 3' terminal amine-modified ARRESTOR oligonucleotide both reduce non-specific background cleavage of the secondary probe when included in the second step of a reaction where the cut probe from an initial invasive cleavage reaction is employed as an integrated INVADER-target complex in a second invasive cleavage reaction."

**In The Claims:**

Please cancel claim 4.

Please rewrite claims 1, 3, 5, and 10 as follows:

- A<sup>9</sup>
1. A method for detecting a target sequence, comprising:
    - a) providing:
      - i) a sample suspected of containing said target sequence;
      - ii) oligonucleotides capable of forming an invasive cleavage structure in the presence of said target sequence; and
      - iii) an agent for detecting the presence of an invasive cleavage structure; and
    - b) exposing said sample to said oligonucleotides and said agent under conditions such that said invasive cleavage structure is cleaved by said agent; and
    - c) detecting the cleavage of said invasive cleavage structure.
  3. The method of Claim 2, wherein said exposing said sample to said oligonucleotides and said cleavage agent comprises exposing said sample to said oligonucleotides and said cleavage agent under conditions wherein an invasive cleavage structure is formed between said target sequence and said oligonucleotides if said target sequence is present in said sample, wherein said invasive cleavage structure is cleaved by said cleavage agent to form a cleavage product.
  - A<sup>10</sup>

- All
5. The method of Claim 1, wherein said target sequence comprises a first region and a second region, said second region downstream of and contiguous to said first region, and wherein said oligonucleotides comprise first and second oligonucleotides, said wherein at least a portion of said first oligonucleotide is completely complementary to said first region of said target sequence and wherein said second oligonucleotide comprises a 3' portion and a 5' portion, wherein said 5' portion is completely complementary to said second region of said target sequence.
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- A12
10. The kit of Claim 7, wherein said oligonucleotides comprise first and second oligonucleotides, said first oligonucleotide comprising a 5' portion complementary to a first region of said target sequence and said second oligonucleotide comprising a 3' portion and a 5' portion, said 5' portion complementary to a second region of said target sequence downstream of and contiguous to said first region of said target sequence.
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